

1 Hartford Square, New Britain, CT 06052

Tel: (860) 224-6668

Customer Name: Theraplant, LLC Customer Address: 856 Echo Lake Road

Watertown, CT 06795

Phone Number: 860-417-6481

Results issued on: <u>12/3/2014</u> Sample ID: <u>84120114-1 (Lot 12 Extract)</u> COA No. 1024-A

Quality Control Analysis

<u>Test</u>	<u>Specification</u>	<u>Results</u>
		(Pass/Fail)
Microbiology	Total Aerobic Microbial Count (< 2K CFU/g)	Pass
	Total Yeast and Mold Count (< 200 CFU/g)	Pass
	Bile-tolerant Gram-negative Bacteria (absence)	Pass
	Staph. aureus (absence)	Pass
	Pseud. aeruginosa (absence)	Pass
Mycotoxins	Aflatoxin B1 (< 20 ug/Kg)	Pass
	Aflatoxin B2 (< 20 ug/Kg)	Pass
	Aflatoxin G1 (< 20 ug/Kg)	Pass
	Aflatoxin G1 (< 20 ug/Kg)	Pass
	Ochratoxin A (< 20 ug/Kg)	Pass
Heavy Metals	Arsenic - As (< 4.206 ug/g)	Pass
	Cadmium - Cd (< 2.704 ug/g)	Pass
	Mercury - Hg (< 8.712 ug/g)	Pass
	Lead - Pb (< 8.712 ug/g)	Pass
Pesticides	See attachment A	Pass

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Cannabinoid Analysis

Via Gas Chromatography (GC) Analysis

Cannabinoid

Percent by Weight (w/w)

Δ⁹-Tetrahydrocannabinol (Δ⁹-THC)

Cannabidiol (CBD)

Cannabigerol (CBG)

Cannabinol (CBN)

Via High Performance Liquid Chromatography (HPLC) Analysis

Cannabinoid	Percent by Weight (w/w)
Δ ⁹ -Tetrahydrocannabinol Acid (Δ ⁹ -THC-A)	49.02%
Δ ⁹ -Tetrahydrocannabinol (Δ ⁹ -THC)	24.79%
Cannabidiol Acid (CBD-A)	0.95%
Cannabidiol (CBD)	0.21%
Cannabigerol Acid (CBG-A)	< 0.10%
Cannabigerol (CBG)	0.62%
Cannabinol (CBN)	0.23%
Cannabichromene (CBC)	0.55%



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Terpenoid Analysis

Via Gas Chromatography Mass Spectrometry (GC-MS) Analysis

rerpene	Percent by Weight (W/W)
α-Pinene	0.026%
β-Pinene	0.031%
Limonene	0.078%
β-Myrcene	0.343%
β-Caryophyllene	0.471%
Humulene	0.179%



Results Approved by: Jose A. Zavaleta, Director



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Attachment A

Pesticide	Residue limits according to EPA in parts per billion (ppb)	Results
Avermectin (abamectin)	< 10	Pass
Acequinocyl	< 20	Pass
Bifenazate	< 100	Pass
Bifenthrin (synthetic pyrethroid)	< 50	Pass
Cyfluthrin (synthetic pyrethroid)	< 20	Pass
Etoxazole	< 10	Pass
Imazalil	< 100	Pass
Imidacloprid	< 50	Pass
Myclobutanil	< 20	Pass
Paclobutrazol	< 400	Pass
Pyrethrins (synthetic)	< 50	Pass
Spinosad	< 10	Pass
Spiromesifen	< 20	Pass
Spirotetramat	< 200	Pass
Trifloxystrobin	< 50	Pass